Baofeng UV-13 PRO

Baofeng UV-13 PRO Two-Way Radio User Manual

Model: UV-13 PRO

1. Introduction

This manual provides detailed instructions for the safe and effective use of your Baofeng UV-13 PRO Two-Way Radio. Please read this manual thoroughly before operating the device to ensure optimal performance and longevity. This device is designed for reliable communication and features a robust build with modern conveniences like USB Type-C charging.

2. Product Overview

2.1 Package Contents

Upon unboxing, please verify that all items listed below are included in your package:

- 1 x Baofeng UV-13 PRO Portable Radio
- 1 x Antenna
- 1 x 1500mAh Battery
- 1 x USB-C Charging Cable
- 1 x EU Charger Adapter
- 1 x Belt Clip
- 1 x Lanyard
- 1 x Headset
- 1 x User Manual (English)



Figure 2.1: Package Contents. This image displays the Baofeng UV-13 PRO radio unit, battery, Type-C charging cable, headset, lanyard, antenna, user manual, belt clip, EU charger adapter, and the product box.

2.2 Component Identification

Familiarize yourself with the various parts of your Baofeng UV-13 PRO radio:



Figure 2.2: Component Identification. This diagram points out key components such as the Antenna, Power/Volume Switch, Speaker, Microphone, LCD Display, Keypad, FM/SOS Key, PTT Key, Lamp/Monitor Key, and the LED indicator for transmit/receive status.

- **Antenna:** For transmitting and receiving radio signals.
- **Power/Volume Switch:** Rotates to turn the radio on/off and adjust volume.
- **Speaker:** Outputs audio.
- **Microphone:** For voice input during transmission.
- **LCD Display:** Shows channel, frequency, battery status, and other indicators.
- **Keypad:** For manual frequency input, menu navigation, and function activation.
- **FM/SOS Key:** Activates FM radio or emergency alarm function.
- **PTT (Push-to-Talk) Key:** Press and hold to transmit, release to receive.
- **Lamp/Monitor Key:** Activates the built-in LED flashlight or monitor function.
- **MIC/SP Jack:** For connecting external audio accessories like the included headset.

2.3 Key Features

The Baofeng UV-13 PRO is equipped with a range of features for versatile communication:

- **999 Memory Channels:** Ample storage for frequently used frequencies.
- **Dual Band Operation (VHF/UHF):** Supports both 136-174 MHz and 450-470 MHz frequency ranges.
- **5W Output Power:** Provides strong signal for long-range communication.
- **USB Type-C Charging:** Convenient charging from various power sources.
- **VOX Function:** Voice-operated transmission for hands-free operation (adjustable gain 0-9).
- **CTCSS/DCS Tones:** For selective calling and interference reduction.
- **Emergency Alarm:** Activates an audible alarm for urgent situations.
- **Built-in LED Flashlight:** For illumination in dark environments.
- **FM Radio:** Allows listening to broadcast FM stations.
- **Scan Modes:** Channel scan, frequency range scan, and CTCSS/DCS tone scan.
- **Battery Save Function:** Extends battery life.
- **Keypad Lock:** Prevents accidental key presses.



Figure 2.3: Key Features. This image highlights features such as 999 channels, dual band capability, chirp programmability, 5W power, FM

radio, VOX, frequency CTCSS/DCS scan, emergency alarm, and display sync.

3. Setup

3.1 Battery Installation

1. Align the battery pack with the grooves on the back of the radio.
2. Slide the battery pack upwards until it clicks into place.
3. To remove, press the battery release latch (if present) and slide the battery downwards.

3.2 Antenna Attachment

1. Hold the base of the antenna and screw it clockwise onto the antenna connector on top of the radio until it is finger-tight.
2. Do not overtighten.

3.3 Charging the Battery

The Baofeng UV-13 PRO features convenient USB Type-C charging.

1. Connect the USB Type-C charging cable to the port on the side of the radio.
2. Connect the other end of the USB cable to a power source such as:
    - A wall charger (using the included EU adapter)
    - A power bank
    - A computer's USB port
    - A car charger
3. The charging indicator on the radio (usually an LED) will show the charging status. It typically turns red while charging and green when fully charged.
4. A full charge for the 1500mAh battery typically takes several hours.



Figure 3.1: USB Type-C Charging. This image illustrates the USB Type-C charging port on the radio and various compatible charging methods including wall charging, power bank, USB plug, laptop, and car charging.

4. Operating Instructions

4.1 Power On/Off and Volume Control

1. To turn on the radio, rotate the Power/Volume knob clockwise until you hear a click.
2. Continue rotating the knob clockwise to increase the volume, and counter-clockwise to decrease it.
3. To turn off the radio, rotate the knob counter-clockwise until you hear a click.

4.2 Channel and Frequency Selection

The UV-13 PRO supports both Channel Mode and Frequency (VFO) Mode.

- **Channel Mode:** Use the UP/DOWN arrow keys on the keypad to cycle through the 999 pre-programmed memory channels.

- **Frequency (VFO) Mode:**
    a. Press the **VFO/MR** button (often labeled with an icon resembling a square with an arrow) to switch to VFO mode.
    b. Enter the desired frequency directly using the numeric keypad.
    c. Press **#** to confirm the frequency or to switch between upper and lower display lines.



Figure 4.1: Manual Programming in VFO Mode. This image demonstrates how to manually set frequencies and store channels using the keypad in VFO mode, highlighting the VFO/MR button.

4.3 Transmitting and Receiving (PTT)

1. Ensure you are on the correct channel or frequency.
2. To transmit, press and hold the **PTT (Push-to-Talk)** button on the side of the radio. Speak clearly into the microphone. The LED indicator will typically glow red during transmission.
3. Release the PTT button to stop transmitting and return to receive mode. The LED indicator will typically glow green when receiving a signal.

4.4 VOX Function (Voice Operated Transmission)

The VOX function allows for hands-free transmission when using a compatible headset.

1. Press the **MENU** button.
2. Navigate to the VOX setting (refer to your display for the exact menu number, often 'VOX').
3. Press **MENU** again to enter the setting.
4. Use the UP/DOWN arrow keys to adjust the VOX gain level (0-9, where 0 is off and 9 is most sensitive).
5. Press **MENU** to confirm and exit.

4.5 Scan Modes

The UV-13 PRO offers various scanning capabilities:

- **Channel Scan:** Scans through pre-programmed memory channels. Activate via the menu or a dedicated scan button (if available).
- **Frequency Range Scan:** Allows scanning within a specified frequency range. Set the start and end frequencies in the menu, then initiate the scan.
- **CTCSS/DCS Tone Scan:** Scans for CTCSS or DCS tones on the current frequency, useful for identifying sub-audible tones used for selective calling.

4.6 Emergency Alarm and Flashlight

- **Emergency Alarm:** Press the **FM/SOS** key (often labeled with a lightning bolt or SOS icon) to activate the emergency alarm. Press again to deactivate.
- **LED Flashlight:** Press the **LAMP/MONI** key (often labeled with a lightbulb icon) to turn the built-in LED flashlight on or off.

5. Maintenance

5.1 General Care and Cleaning

- Wipe the radio with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Avoid exposing the radio to extreme temperatures, direct sunlight, or excessive moisture. The device is not waterproof.
- Keep the antenna and charging ports free from dust and debris.

5.2 Battery Care

- To maximize battery life, fully charge the battery before first use.
- Avoid overcharging or completely draining the battery frequently.
- If storing the radio for an extended period, charge the battery to approximately 50% and remove it from the radio. Store in a cool, dry place.

6. Troubleshooting

If you encounter issues with your Baofeng UV-13 PRO, refer to the following common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Radio does not power on.	Battery is low or not installed correctly.	Charge the battery. Ensure the battery is securely installed.
Cannot transmit or receive.	Incorrect frequency/channel, antenna not attached, or out of range.	Verify frequency/channel. Ensure antenna is securely attached. Move closer to the other radio.
Poor audio quality.	Low battery, incorrect squelch level, or interference.	Charge battery. Adjust squelch level (SQL). Move away from sources of interference.
Keypad is unresponsive.	Keypad lock is active.	Press and hold the '#' key to unlock the keypad.

If the problem persists after trying these solutions, please contact Baofeng customer support.

7. Specifications

Feature	Detail
Model	UV-13 PRO
Output Power	5W
Battery Capacity	1500mAh
Antenna Impedance	50ohm
Headphone Jack Type	2 Pin Kenwood Plug
Frequency Range	136-174 MHz (VHF) and 450-470 MHz (UHF)
Number of Channels	999
CTCSS/DCS	50 CTCSS / 208 DCS
Water Resistance	Not waterproof
Charging	USB Type-C

8. Warranty and Support

This Baofeng UV-13 PRO radio is CE Certified (ID CE: B2208049), indicating compliance with European safety, health, and environmental protection requirements.
For technical support, software, or firmware updates, please refer to the official Baofeng website or contact their authorized service centers. Information regarding specific warranty terms and conditions can typically be found on the product packaging or the manufacturer's official support channels.
For programming the device, a Baofeng PL2303 USB Programming Cable is recommended. Software and special firmware are available for compatibility with Mac, Windows XP/7/8/8.1/10.

© 2023 Baofeng. All rights reserved.
For more information, visit the Baofeng Store.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question